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AMENDMENTS TO THE CLAIMS:

- 1 1. (Currently Amended) A computer implemented method for resolving host
2 names on a network, comprising:
3 receiving at a modem a host name query from a client
4 computer;
5 transmitting said host name query from said
6 modem to a plurality of known Domain Name System (DNS) servers
7 set up in the modem; and
8 if a single address is acquired from the DNS servers, returning a the
9 single address to said client computer from said modem; and, where said
10 single address is based on said host name query and any responses received
11 from said DNS servers
12 If a plurality of addresses is acquired from the DNS servers, applying a 13
13 policy to eliminate all but one of said addresses and returning the single
14 address to said client computer from said modem.
- 1 2. (Previously Presented) A computer implemented method
2 for resolving host names on a network,
3 comprising:
4 receiving at a modem a host name query from a client
5 computer;
6 transmitting said host name query from said
7 modem to a plurality of Domain Name System (DNS) servers; and
8 returning a single address to said client computer from said
9 modem, where said single address is based on said host name
10 query and any responses received from said DNS servers, said returning step 11
comprising,
12 acquiring a plurality of addresses associated with
13 said host name query, from said DNS servers;
14 applying a policy to eliminate all but one of said addresses; and
15 returning said address to said client computer, such that said
16 client can send a request for content to said address.
- 1 3. (Cancelled)
- 1 4. (Previously Presented) A computer implemented method
2 for resolving host names on a network,
3 comprising:
4 receiving at a modem a host name query from a client computer;
5 transmitting said host name query from said modem to a plurality of
6 Domain Name System (DNS) servers;
7 acquiring at least one address associated with said host name query,
8 from said DNS servers;
9 determining that a plurality of addresses was acquired from said DNS 10
servers;
11 eliminating all but one of said address by rejecting all but the most
12 recent address; and

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13 returning said address to said client computer, such that said client can 14
send a request for content to said address.

1 5. (Previously Presented) A computer implemented method
2 for resolving host names on a network,
3 comprising:
4 receiving at a modem a host name query from a client computer;
5 transmitting said host name query from said modem to a plurality of
6 Domain Name System (DNS) servers;
7 acquiring at least one address associated with said host name query,
8 from said DNS servers;
9 determining that a plurality of addresses was acquired from said DNS 10
servers;
11 eliminating all but one of said address by rejecting all addresses not
12 provided by a service provider DNS server; and
13 returning said address to said client computer, such that said client can 14
send a request for content to said address.

1 6. (Currently Amended) A computer ~~implemented method~~ program product for
2 resolving host names on a network, ~~the computer program product comprising a~~
3 computer readable storage and a computer program embedded therein, the computer
4 program comprising:
5 instructions for receiving at a modem a host name query from a client
6 computer;
7 instructions for transmitting said host name query from said
8 modem to a plurality of Domain Name System (DNS) servers; and
9 instructions for applying a policy to eliminate all but one host address 10
acquired from the DNS servers and returning a the single address to said client 11
computer from said modem, where said single address is based on said host
12 name query and any responses received from said DNS servers, wherein said
13 returning step comprises:
14 determining that a host has not been located by said DNS
15 servers;
16 performing a search using said host name query as a search
17 string; and
18 transmitting a results address of where results of said search
19 are located, to said client computer.

1 7. (Currently Amended) The computer ~~implemented method~~ program product of 2
claim 6, ~~wherein said performing further comprises sending said host name query as a 3~~
~~search string to a search engine further comprising, if no host address is acquired,~~
4 instructions for performing a search using said host name query as a search string.

1 8. (Currently Amended) The computer ~~implemented method~~ program product of 2
claim 7, ~~wherein said sending further comprises sending said host name query as a~~
3 ~~search string to a search engine selected by a service provider~~ instructions for
4 performing send the search string to a search engine.

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1 9. (Currently Amended) The computer ~~implemented method~~ program product of 2
claim 7, wherein said ~~sending step further comprises sending said host name query as~~
3 ~~a instructions send the search string to a search engine selected by a system~~
4 ~~administrator or a service provider.~~

1 10. (Currently Amended) The computer ~~implemented method~~ program product of 2
claim ~~6~~ 4, wherein ~~the instructions apply a policy that rejects all but the most recent~~
3 ~~address prior to transmitting said host name query, the method further comprising:~~
4 ~~searching a cache for an address associated with said host~~
5 ~~name query; and~~
6 ~~if located, returning a located address to said client, such that said~~
7 ~~client computer can send a request for content to said address.~~

1 11. (Currently Amended) The computer ~~implemented method~~ program product of 2
claim ~~6~~ 4, wherein ~~the instructions apply a policy that rejects all addresses not~~
3 ~~provided by a service provider DNS server prior to transmitting said host name query, the method further comprising:~~
5 ~~searching a cache based on said host name query; and~~
6 ~~if cached content associated with said host name query is~~
7 ~~located, returning said cached content~~
8 ~~to said client computer, such that said client can display said content.~~

1 12. (Original) The computer implemented method of claim 1, wherein said
2 modem is coupled to a VPN (Virtual Private Network), and at least one of said
3 plurality of DNS servers forms part of the VPN.

1 13. (Currently Amended) A computer program product for resolving host names
2 on a Virtual Private Network (VPN), the computer program product comprising a
3 computer readable storage and a computer program embedded therein, the computer
4 program comprising:
5 instructions for receiving a host name query from a client
6 computer;
7 instructions for transmitting said host name
8 query to a plurality of known Domain Name System (DNS) servers set up in
9 the modem; and
10 instructions for applying a policy to eliminate all but one address
11 acquired from the DNS servers and returning a the single address to said client
12 ~~computer, where said single address is based on said host name~~
~~query and any responses received from said DNS servers.~~

1 14. (Previously Presented) A computer program product for
2 resolving host names on a Virtual Private Network (VPN), the computer
3 program product comprising a computer readable storage and a computer
4 program embedded therein, the computer program comprising:
5 instructions for receiving a host name query from a client
6 computer;
7 instructions for transmitting said host name
8 query to a plurality of Domain Name System (DNS) servers set up in the
9 modem; and
10 instructions for returning a single address to said client

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11 computer; where said single address is based on said host name
12 query and any responses received from said DNS servers, wherein
13 said instructions for returning comprise:
14 instructions for acquiring at least one address associated with
15 said host name query, from said DNS servers;
16 instructions for determining that a plurality of addresses was
17 acquired from said DNS servers;
18 instructions for eliminating all but one of said addresses; and
19 instructions for returning said address to said client computer,
20 such that said client can send a request for content to said address.

1 15. (Cancelled)

1 16. (Previously Presented) A computer program product
2 for resolving host names on a Virtual Private Network (VPN), the computer
3 program product comprising a computer readable storage and a computer program
4 embedded therein, the computer program comprising:
5 instructions for receiving a host name query from a client computer;
6 instructions for transmitting said host name query to a plurality of
7 Domain Name System (DNS) servers;
8 instructions for acquiring at least one address associated with said host
name query, from said DNS servers;
10 instructions for determining that a plurality of addresses was acquired 11
from said DNS servers;
12 instructions for eliminating all but one of said addresses
13 by rejecting all but the most recent address; and
14 instructions for returning said address to said client computer, such that 15
said client can send a request for content to said address.

1 17. (Previously Presented) A computer program product
2 for resolving host names on a Virtual Private Network (VPN), the computer
3 program product comprising a computer readable storage and a computer program
4 embedded therein, the computer program comprising:
5 instructions for receiving a host name query from a client computer;
6 instructions for transmitting said host name query to a plurality of
7 Domain Name System (DNS) servers;
8 instructions for acquiring at least one address associated with said host
name query, from said DNS servers;
10 instructions for determining that a plurality of addresses was acquired 11
from said DNS servers;
12 instructions for eliminating all but one of said addresses
13 by rejecting all addresses not provided by a service provider
14 DNS server; and
15 instructions for returning said address to said client computer, such that 16
said client can send a request for content to said address.

1 18. (Currently Amended) A computer program product for resolving host
2 names, the computer program product comprising a computer readable storage and a 3
computer program embedded therein, the computer program comprising:
4 instructions for receiving a host name query from a client computer;

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5 instructions for transmitting said host name query to a
6 plurality of Domain Name System (DNS) servers;
7 instructions for determining whether a host has been located
8 by said DNS servers;
9 if a plurality of hosts are host-is-located, instructions for applying a
10 policy to eliminate all but one address acquired from the DNS servers and
11 returning an the single address for the host to said client computer;
12 if a host is not located, instructions for performing a search using said 13
host name query as a search string; and
14 instructions for transmitting an address of where results of said
15 search can be viewed to said client computer.

1 19. (Original) The computer program product of claim 18, wherein said
2 instructions for performing comprise instructions for sending said host name query as
3 a search string to a search engine.

1 20. (Original) The computer program product of claim 19, wherein said
2 instructions for sending further comprise instructions for sending said host name
3 query as a search string to a search engine selected by a service provider.

1 21. (Original) The computer program product of claim 19, wherein said
2 instructions for sending further comprise instructions for sending said host name
3 query as a search string to a search engine selected by a system administrator.

1 22. (Original) The computer program product of claim 13, wherein said
2 instructions for returning step further comprise:
3 instructions for searching a cache for an address associated
4 with said host name query; and
5 instructions for returning a located address to said client, such
6 that said client computer can send a request for content to said
7 address.

1 23. (Original) The computer program product of claim 13, wherein said
2 instructions for returning further comprise:
3 instructions for searching a cache based on said host name
4 query;
5 instructions for returning cached content associated with said
6 host name query to said client computer, such that said client can
7 display said content.

1 24. (Previously Presented) The computer program product of claim 13, wherein
2 at least one of said plurality of DNS servers forms part of the VPN.

1 25. (Currently Amended) A computer implemented method for resolving host
2 names on a network, comprising:
3 receiving at a modem a host name query from a client computer;
4 transmitting said host name query from said modem to a plurality of
5 Domain Name System (DNS) servers;
6 determining whether a host has not been located by said DNS
7 servers;

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- 8 if a host is located, applying a policy to eliminate all but one of the hosts
and returning ~~at least one~~ the single address for the host to
9 said client computer;
10 if a host is not located, performing a search using said host name query 11
as a search string and returning a results address of where results of said
12 search are located to said client computer.
- 1 26. (Previously Presented) The computer implemented method of claim 25,
2 wherein said performing further comprises sending said host name query as a search
3 string to a search engine.
- 1 27. (Cancelled)